

## ABSTRACT

A detecting agent for gas containing a metal compound comprises pyridylazo compound as a color transition component supported on a carrier. A detection method for detecting a metal compound contained in a gas comprises steps of bringing the gas containing the metal compound into contact with a detecting agent comprising pyridylazo compound as a color transition component supported on a carrier; and detecting a color transition of the detecting agent. According to the present invention, a sensitive detecting agent or a sensitive detection method enables to detect metal compounds contained in a gas exhausted from semiconductor manufacturing process, etc., without affected by accompanying gas like ammonia.